

ABSTRACT OF THE DISCLOSURE

A fuel injector that includes a housing, a seat, a metering disc and a closure member. The metering orifices can be located on a first virtual circle greater than a second virtual circle as defined by a projection of a sealing surface converging at a virtual apex projected on the metering disc. The metering disc can be dimpled to increase the spray angle. Various parameters can be utilized to achieve a desired cone size and spray angle. A method of controlling spray targeting of a fuel injector is also described.